BONAIRE®

The leaders in heating and cooling

Air Conditioning Product Range

FRESH AIR COOLING BONAIRE ENERGY SAVING

AUSTRALIAN OWNED

Printed on recycled paper

Contents.

3 Welcome to Bonaire

4 Choosing the right cooling system for your home

6 Bonaire Evaporative Air Conditioning

9 The Bonaire Evaporative Range

10 A choice of controllers

11 Bonaire Durango Evaporative Window Air Conditioner

12 Bonaire Reverse Cycle Air Conditioning

14 Bonaire Inverter High Wall Split System Air Conditioning

16 Bonaire Dual Cycle Refrigerated Air Conditioning / Gas Heating Systems

17 New Homes and Renovations with Bonaire

18 Specifications

Welcome to Bonaire.

As Australia's leading heating and cooling brand, Bonaire has been providing homes with state of the art, efficient heating and cooling systems for over 60 years. Using proven technology we create intelligent, user friendly systems that maximise energy efficiency and reduce operating costs. We constantly strive to ensure that the Bonaire name is synonymous with quality and innovation and this is what continues to drive the company today.

The Bonaire mission.

Our Mission is to deliver the most advanced range of whole of home heating and cooling solutions to fit today's modern lifestyles.

Bonaire quality.

At Bonaire we place enormous importance on continually improving design, engineering and manufacturing processes and every one of our products is manufactured to the highest possible standards using premium quality materials. All Bonaire units are quality tested before they leave our factory, and are supported by a carefully selected dealer network that is committed to customer satisfaction.

We are proud that Bonaire is Australian made and owned with world class manufacturing facilities in Adelaide SA and Leeton NSW being the foundation of the business.

Saves water.

Saves on running costs.

Saves the environment.

Cool your whole home.

Choosing the right cooling system for your home.

There's nothing quite like walking into the cool surrounds of your home and escaping the blistering summer heat outside. When you consider that cooling accounts for a large proportion of household's energy costs over summer, it's so important to select the right cooling methods for your home. The wrong choice can prove both costly and uncomfortable.

Whole of home cooling vs room cooling.
The most important choice you have to make is whether you need to cool separate rooms or your whole home.

Room cooling.
If you only need to cool individual rooms in your home, then a Refrigerated High Wall Split System is the way to go.

Refrigerated High Wall Split Systems consist of a condensing unit installed on the outside of your home, and a wall mounted unit inside your home, which artificially cools the air through indoor and outdoor coils connected by pipes carrying refrigerant gas.

Bonaire also offers a low cost and easy to install option - a window mounted fresh air room evaporative cooler.

Whole of home cooling
When it comes to cooling your whole home, you have the choice of two main systems, ducted refrigerated systems and ducted evaporative systems.

The ducted refrigerated systems work on the same principal as the split room systems, with an indoor and outdoor coil. Traditionally you'll find these systems work on a day/night zone system which lets you cool the living areas of your home during the day and cool the sleeping areas at night.

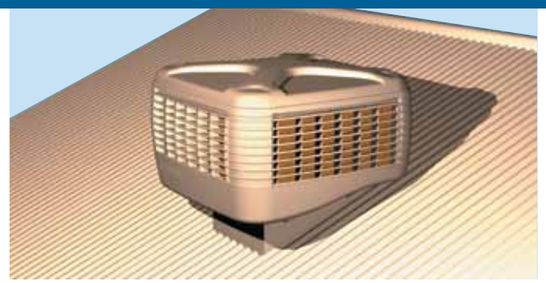
Ducted evaporative coolers on the other hand, use fresh air to cool all rooms of your home at the same time. Fresh air is drawn from outside your home through the water moistened filter which cools and cleans the air. The cool, fresh air is then circulated through the ducts, forcing stale air out through open windows and doors. This natural cooling process has low installation and low running costs, low noise and low greenhouse emissions, and is ideal for asthma and hay fever sufferers. All rooms in your home are cooled at the same time.

Some important questions

- In a long hot summer, will I be comfortable just cooling one or two rooms?
- Do I want the comfort of having every room cooled?
- Should the purchase price be my biggest consideration?
- Do I need cooling all day or for short periods of time?
- Should I think about running costs?
- Will noise bother me or my neighbours?
- Does anyone in my house suffer from asthma or hay fever?

Bonaire Evaporative Air Conditioning.

An evaporative cooling system is simply the most cost effective and quietest way to cool your home. For over 50 years Bonaire have been providing Australians with innovative, efficient evaporative cooling systems. Today we continue to draw on the latest technology to create intelligent, environmentally friendly and user friendly cooling systems that maximise energy efficiency and minimise expense to your pocket.



The low profile Bonaire EAC

Evaporative Air Conditioning.

When it comes to the most efficient and economical way to cool your whole home, you can't go past evaporative cooling. Economical to buy and to run, it is the most cost efficient and quiet way to stay cool this summer.

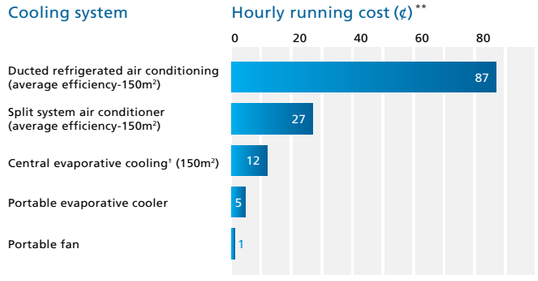
Why choose Bonaire Evaporative Cooling.

- Models to suit any home size or budget
- Easy installation
- Low running costs
- Low energy consumption = reduced electricity bills
- Designed and built for Australia's harsh environment
- Quiet operation
- Large CELdek pads, unlike some competitor units for maximum cooling efficiency
- Circulates only fresh, clean naturally cooled air throughout your home – doors and windows are left open
- Filtered air is soft and gentle on noses, eyes, and skin. Ideal for asthma and hayfever sufferers
- More cost effective to install and run than comparable ducted refrigerated units
- Environmentally friendly, producing less than 15% of the CO_2 greenhouse gases produced by a standard ducted reverse cycle system (Refer to graph page 7)
- Helps eliminate smoke and cooking odours
- Indoor plants thrive on fresh air cooling
- Helps reduce the spread of infections
- Unique 'Bonres' unit selection system
- Adds value to your home
- 3 years parts and labour warranty standard
- 10 year structural warranty (parts only)
- 25 year corrosion warranty on the cabinet (parts only)
- Integra 3 year plus 2 year extended parts and labour warranty standard*
- Australian made and owned
- Pioneers in evaporative cooling in Australia
- Injection moulded cabinets
- All four CELdek® pads are equal in size for optimum cooling

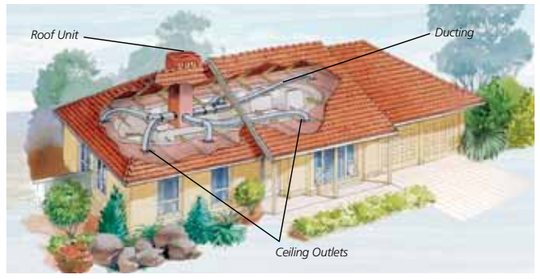
To ensure that the correct unit is installed in your home, we designed Bonaire's unique Bonres® sizing system. The Bonres® computerised unit selection system takes into account such things as wall construction, insulation, glass area, room sizes, house orientation eg North, South, East, West and the climatic conditions of the area in which you live, to select and design the right Bonaire system for you and your family.

Bonaire ducted evaporative cooling is cheaper to run.

Our ducted evaporative systems are an extremely efficient way to cool your home as indicated by the table below. It shows just how little power the Bonaire systems actually use.



* *Subject to a maintenance service call in the third year.*
** *SEAV, 'Operating costs of electrical appliances' Nov 2002.*



Bonaire is the environmentally friendly cooling option.

Bonaire conserves water and helps save the environment.

As water conservation becomes more and more a priority for Australians, Bonaire have a number of water saving technologies that will ensure water usage is kept as low as possible.

The Bonaire Water Conservation System*.

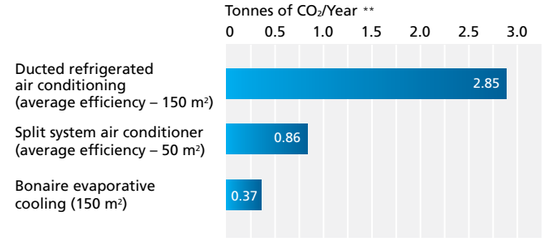
This clever and reliable device is designed to automatically minimise the water usage of the evaporative air conditioner while still ensuring that the system has the correct amount of fresh water to guarantee efficient operation.

Helps save the environment.

If you're concerned about the environment, you should choose a Bonaire evaporative cooling system. Our evaporative 'whole of home' system produces less than 15% of the CO_2 greenhouse gases produced by a comparable ducted reverse cycle refrigerated system.

By using Bonaire evaporative air conditioning, you can reduce your impact on climate change! Evaporative air conditioning produces less black balloons of green house gas than 'whole of home' refrigerated systems. Ref: saveenergy.vic.gov.au Feb 2009

Naturally cooled, evaporative air conditioners circulate fresh air throughout your entire home. Hot, stale air is forced out.



* *Compared to a conventional ducted evaporative air-conditioning system with manual bleed. Actual water saving depends on geographical location and unit size.*
** *SEAV Victoria "Choosing a cooling system" Nov 2002.*

Bonaire Evaporative Air Conditioning.

Bonaire has been manufacturing evaporative coolers with state of the art components and technology for over 50 years. To guarantee your total comfort, all units have been designed by our specialised R & D team to ensure they suit Australian conditions.

Setting a benchmark in quietness.
For the quietest way to stay cool this summer, you should choose a Bonaire evaporative cooling system. That's because Bonaire's direct drive cooling fan is low noise and it's effective design means it is extremely efficient.

Advanced engineering.
Advanced engineering design has seen the Bonaire evaporative cooling systems at the leading edge of cooling efficiency. The unique motor and fan construction, together draw air evenly over the four CELdek® pads. This delivers enhanced efficiency, low maintenance and measurable savings in running costs.

The in built water management system also ensures that a minimum amount of water is used in providing optimal levels of cooling performance.

Low Noise Fan
The direct drive system of the low noise fan has no belts or pulleys that traditionally use more energy and wear out. It employs the latest in aerodynamic research technology to ensure super quiet operation and maximum air flow.

Smart stylish design.
In comparison to other units, Bonaire's sleek low profile design sits snugly on your rooftop and comes in a range of stylish colours. This clever design holds less water than conventional flat based units.

Bonaire coolstart*.
With Bonaire's pre cool system, your home will be cool from the start. You'll only feel cool, fresh air when you turn on your air conditioner as opposed to some competitors units that actually blow hot air for up to 5 minutes.

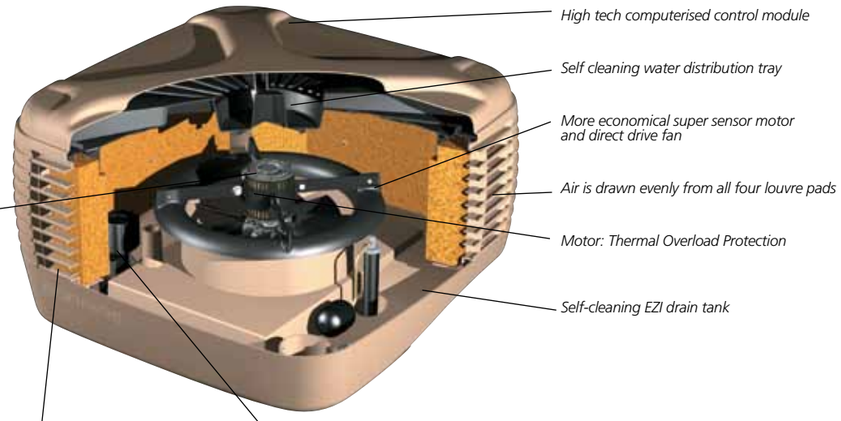
Installed by specialists.
For added peace of mind, we recommend you choose one of our authorised Bonaire specialists, who have been trained to ensure your Bonaire cooler is installed to the highest standards.

Authorised BONAIRE Specialist

* *Only available with RF and LV controllers.*

Structural strength.
Bonaire units have a high strength, injection moulded polymer cabinet. So unlike other competitors units that may sag or warp, they are strong enough to withstand Australian weather conditions and are UV stabilised to ensure sun protection year after year.

Super Sensor V Motor
Strategically placed away from the unit's central air stream, your home is cooled more efficiently. An over temperature cut-out protects the motor from over-heating.


High tech computerised control module
Self cleaning water distribution tray
More economical super sensor motor and direct drive fan
Air is drawn evenly from all four louvre pads
Motor: Thermal Overload Protection
Self-cleaning EZI drain tank
High tech louvre construction
Reliable multi-flow pump

The Bonaire Evaporative Range.

Bonaire have always been leaders in evaporative cooling technology and offer you the choice of two outstanding evaporative cooling systems. Whether it's the economical Summer Breeze or the top of the range Integra, you know Bonaire will cool your home ultra efficiently and quietly this summer.

The Bonaire Summer Breeze.
The Summer Breeze range gives you cool, fresh air to every room with just the touch of a button. Carefully designed to maximise energy use, the Summer Breeze will help you save on running costs.

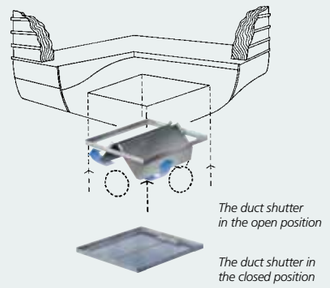
Just look at the benefits it offers to outperform its competition.

- It is low maintenance with measurable savings in running costs
- Strength to withstand the most extreme weather conditions
- A high strength injection moulded polymer cabinet
- Stabilised polymers keep it looking new year after year
- Low noise and efficient direct drive cooling fan
- Sleek, low profile design fits snugly on your roof
- Bonaire Water Conservation System standard
- A range of beautiful fashion colours that are aesthetically pleasing
- Circulates only fresh, clean naturally cooled air throughout your home
- Soft and gentle on noses, eyes, and skin. Ideal for asthma and hayfever sufferers
- More cost effective to install and run than comparable ducted refrigerated units
- 3 year parts and labour warranty standard
- 3 size options; small, medium and large, to cool any sized home.
- Choice of controllers**

The Premium Bonaire Integra.
The Bonaire Integra comes standard with a 2 year extended warranty*, an Enviroseal duct shutter and the ultimate wireless remote control, all specially designed and optimised to maximise the performance of your Bonaire Evaporative air conditioning.

- It is low maintenance with measurable savings in running costs
- Strength to withstand the most extreme weather conditions
- A high strength injection moulded polymer cabinet
- Stabilised polymers keep it looking new year after year
- Low noise and efficient direct drive cooling fan
- Sleek, low profile design fits snugly on your roof
- Bonaire Water Conservation System standard
- A range of beautiful fashion colours that are aesthetically pleasing
- Circulates only fresh, clean naturally cooled air throughout your home
- Soft and gentle on noses, eyes, and skin. Ideal for asthma and hayfever sufferers
- More cost effective to install and run than comparable ducted refrigerated units
- Enviroseal duct shutter accessory
- 3 year plus 2 year extended parts and labour warranty accessory*
- RF Remote control standard

The Enviroseal Duct Shutter.
During winter when the unit is not in use, Bonaire's Enviroseal keeps warm air in and drafts out. It's fully automatic and fits into the duct of your evaporative air conditioning system.



* *Subject to a maintenance service call in the third year.*
** *Controller purchased separately.*

A choice of controllers.

Putting you in complete control at home, you can choose from an RF remote control or an electronically programmable controller, depending on your family needs and the type of home you have.

RF Remote controller - Integra/Reverse cycle controller.
If you're after the ultimate in controllers our radio frequency remote control is for you. All you have to do is choose the setting you want and it's automatically monitored and maintained. All without leaving the comfort of your armchair.

- Wireless Radio Frequency remote
- Able to operate from room to room
- Temperature sensing in any room with an air outlet
- Easy to operate in either manual or auto modes
- 24 hour start/stop timer
- Built in zoning controls*
- Economy and boost functions
- Clear and easy to read LCD display
- Option to control multiple Bonaire appliances
- Self diagnostics
- Compatible with Bonaire's ducted heating, evaporative air conditioning and refrigerative cooling systems

Programmable premium controller - Summer Breeze/Reverse cycle controller.
Wall controller with easy to use functions and LCD display.

- Easy to operate in either manual or auto modes
- 24 hour start/stop timer
- Economy and boost functions
- Clear and easy to read LCD display
- Option to control multiple Bonaire appliances
- Compatible with Bonaire's ducted heating, Summer breeze evaporative air conditioning models and Bonaire refrigerative air conditioning systems

Digital Manual Controller - Summer Breeze controller.
Is compact and simple to operate.

- Simple 4 button operation
- Small and compact
- Option to control multiple Bonaire appliances
- Clear and easy to read LCD display
- Compatible with Bonaire's Summer Breeze evaporative coolers and ducted heating
- Not available with ducted refrigerated models

Ultimate wireless remote controller

Premium programmable controller

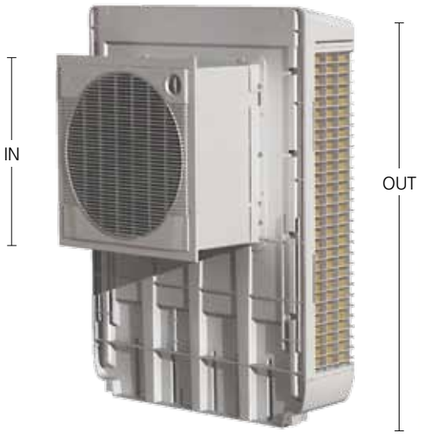
Manual digital thermostat

* *Individual zone motors supplied by installer at additional cost. Zoning not used with Evaporative Air Conditioning.*

Bonaire Durango Evaporative Window Air Conditioner.

The Bonaire Durango is designed to easily cool today's open plan homes with areas up to 75 square metres*. It's quiet, environmentally friendly and best of all, very economical to run. It can be easily installed into most windows and with its neutral colour, the Bonaire Durango blends in no matter what the environment.

Pictures may not depict latest model



PARTS & LABOUR 2 YEAR WARRANTY

Features.

- Cools an area up to 75 square metres*
- Costs less than 25 cents per day to run**
- 250mm deep low profile cabinet does not obstruct exterior area
- Powerful three speed fan motor
- Direct drive fan for higher efficiency
- Easy to install into most windows
- Transition duct supports the unit without any need for additional structural support
- UV stabilised polymer cabinet will never rust
- Uses standard electrical and plumbing connections
- The cool and ventilation mode allows the choice of water flow cooling or just fan operation
- Full two year parts and labour warranty

Product Specification

Air flow	4,500 m3/hr		
Window section	H 550mm	W 550mm	D 260mm
External cabinet	H 1170mm	W 850mm	D 250mm
External cabinet clearance (TOP)	100mm		
Weight	40kg		
Electrical	240 Volts	1 Phase	50 Hz
Fan speeds	3		

* *Depending on geographic location, unit position, room heat gain, and 2.4m ceiling height @ 25 air changes per hour.*

** *Based on 8 hours of running @ 14 cents per kWh.*

Bonaire Reverse Cycle Air Conditioning. The ultimate in climate control.

The Bonaire Ducted Reverse Cycle Air Conditioning System has been designed so that you and your family can relax in complete comfort.

The ultimate in design.

One of the real advantages of refrigerated cooling systems is the ability to cool selected zones in your home which means you won't waste energy cooling rooms that no one is using.

You should talk to your dealer about matching your cooling needs with Bonaire's inbuilt zoning control system. This system offers you the flexibility to control cooling in up to 4 living zones so you can choose between cooling the kitchen, dining and family rooms, bedrooms or the study to suit your lifestyle requirements. Please see you Bonaire dealer to discuss your lifestyle requirements.

The Bonaire Reverse Cycle Air Conditioning System consists of an outdoor unit conveniently located outside your home and an indoor unit concealed out of sight. They are connected to an insulated duct system which distributes the conditioned air through your home via small floor or ceiling ducts. So no matter what your style of home, your Bonaire air conditioner will hardly be seen or noticed.

To ensure that the correct unit is installed in your home, we have developed Bonres®, Bonaire's unique sizing system.

The Bonres® computerised unit selection system takes into account such things as wall construction, insulation, glass area, room sizes and the climatic conditions of the area in which you live, to select and design the right Bonaire system for you and your family.

The ultimate peace of mind.

For added peace of mind, we recommend you choose one of our authorised Bonaire specialists, who have been trained to ensure your Bonaire Air Conditioner is installed to the highest standards.

Warranty.

Every Bonaire Ducted Reverse Cycle Air Conditioner is manufactured to stringent quality standards and backed by a five year residential and two year commercial, parts and labour warranty fully supported by Bonaire's National Service Division.

It's real peace of mind as you and your family enjoy the ultimate in home climate control.

5 YEAR WARRANTY*

Authorised BONAIRE Specialist

B009RS *B009HD*
8.9kW SINGLE PHASE

B012RS *B012HD*
12kW SINGLE PHASE

B015RS *B015HD*
14.7kW SINGLE PHASE

B019RT *B019HD*
18.7kW 3 PHASE

The ultimate in performance.

Built to Australian standards, Bonaire Ducted Reverse Cycle Air Conditioners feature internal noise insulation for quiet performance, state of the art compressors and electronically controlled variable speed outdoor fans to ensure optimum performance at maximum output. All single phase units feature the latest soft starting technology.

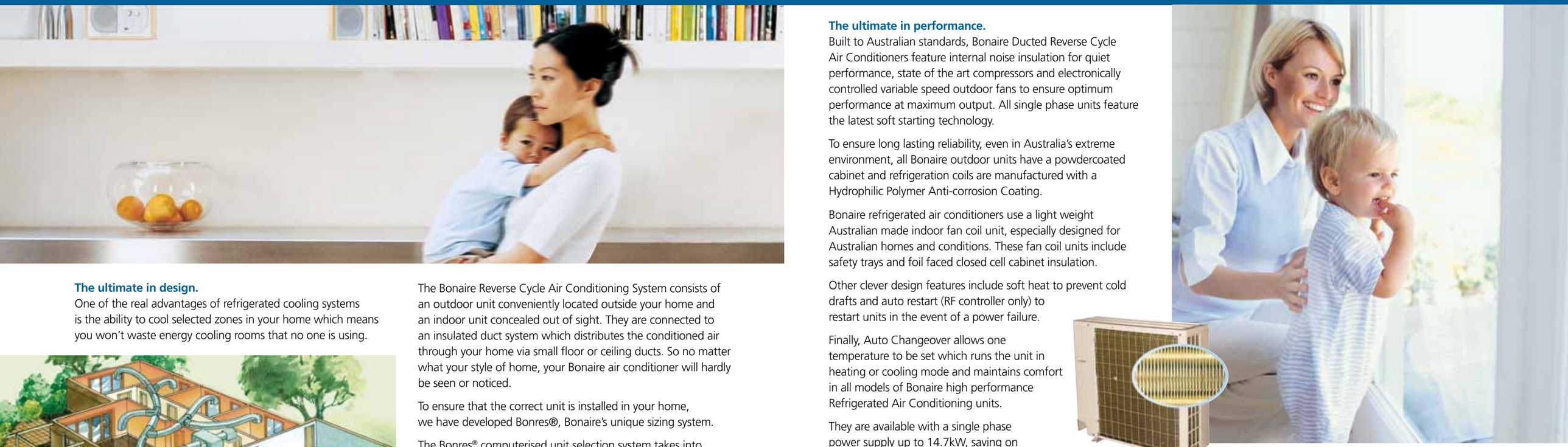
To ensure long lasting reliability, even in Australia's extreme environment, all Bonaire outdoor units have a powdercoated cabinet and refrigeration coils are manufactured with a Hydrophilic Polymer Anti-corrosion Coating.

Bonaire refrigerated air conditioners use a light weight Australian made indoor fan coil unit, especially designed for Australian homes and conditions. These fan coil units include safety trays and foil faced closed cell cabinet insulation.

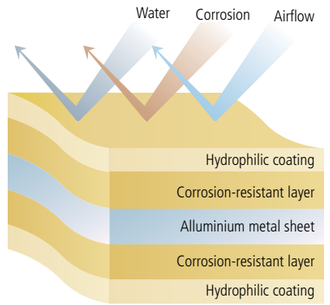
Other clever design features include soft heat to prevent cold drafts and auto restart (RF controller only) to restart units in the event of a power failure.

Finally, Auto Changeover allows one temperature to be set which runs the unit in heating or cooling mode and maintains comfort in all models of Bonaire high performance Refrigerated Air Conditioning units.

They are available with a single phase power supply up to 14.7kW, saving on installation costs.

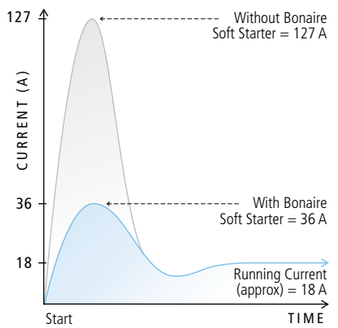


Fin material cross section view.



All Bonaire outdoor units are manufactured with an anti-corrosion material for long lasting reliability.

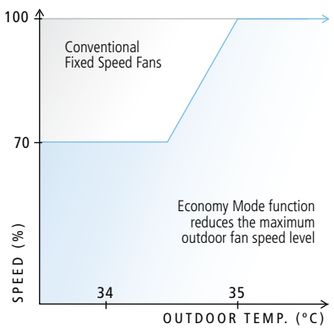
Compressor starting current*.



Bonaire Soft Starters reduce extreme starting loads and annoying light flicker associated with system start-ups.

** Operation based on cooling mode. This chart refers to the compressor starting current of the B015RS.*

Outdoor fan economy mode*.



Ideal for night-time operation to reduce the outdoor noise level.**

** Operation based on cooling mode.*

***The outdoor noise level reduction may vary depending on unit location and environmental conditions.*

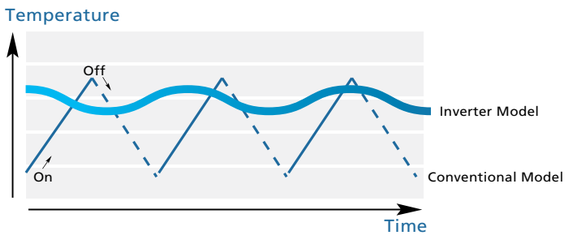
Bonaire Inverter High Wall Split System Air Conditioning.

Bonaire is proud to launch our new range of inverter high wall split systems. The Bonaire range of inverter high wall split systems have clever features coupled with a stylish design to complement today's modern homes.

7.0kW Indoor Unit

Good looks.
At Bonaire we understand that the looks of the unit are important and the Bonaire wall mounted unit will blend unobtrusively into today's homes. It also has functional appeal as the panel can be simply wiped clean.

Inverter technology.
Bonaire inverter technology accurately matches your cooling or heating requirements to give you energy efficiency. Conventional fixed speed units operate at 100% delivering a fixed volume of heating or cooling. Effectively they operate on a stop start system. Bonaire's advanced inverter technology increases or decreases the power depending on the conditions. Bonaire's compressors will vary their capacity to maintain a consistent temperature.



High energy efficiency.

As a result, Inverter air conditioners are smoother in operation, more economical, quieter and deliver higher efficiency compared to conventional systems.

*5.0kW Indoor Unit**

*3.5kW Indoor Unit**

* *Picture shown may vary slightly from actual model.*

More economical.
Because an inverter will increase or decrease power to the compressor and fans depending on the requirement, this means they can operate more economically than traditional fixed speed units.

Comfort levels.
When the Bonaire Inverter air conditioner is switched on in either heating or cooling mode it will automatically operate at high speed to ensure your selected temperature is achieved quickly. It will then adjust the fan speed to maintain the desired room temperature.

Low noise level.
The Bonaire Inverter operates so quietly you will hardly notice it. It can also operate in low noise sleep function where the unit will automatically adjust the temperature to make the room more comfortable while you sleep.

The right advice.
If your unit is too small you can end up with reduced comfort levels, if it's too big you could have a large electricity bill. Bonaire dealers are specialists in heating and cooling and will ensure the unit is correctly sized for your requirements. Our dealers are also installers and will give you a price covering all the installation requirements.

Service support.
Bonaire Inverter air conditioners are fully backed up by Bonaire's integrated service department giving you total peace of mind.

External condenser unit

Remote controls.
The remote control makes it easy to operate the system. The LCD display on the remote and the LED display on the unit allow you to view the current settings.

Simple programming.
Simple programming functions allow you to easily program functions like time till on and time till off.

Air filters.
Easily removable and washable air filters enable you to wash out dust and other air-borne particles.

Intelligent digital dehumidification.
Controls the comfort level of the humidity in the air for a more comfortable room temperature.

Fan only mode.
This setting runs the fan only, which is ideal for Autumn and Spring, providing air movement within the room.

I feel mode.
Allows you to preset an automatic temperature and fan speed to optimise comfort based on outside ambient temperatures.

Warranty.
The Bonaire Inverter High Wall Split System is supported with a five year domestic parts and labour warranty.

Domestic Warranty Only

Bonaire Dual Cycle Refrigerated Air Conditioning / Gas Heating Systems.

The ultimate in home heating and cooling, all year round. When you couple a Bonaire ducted gas heating unit with a Bonaire ducted refrigerative unit, your complete Bonaire Dual Cycle system delivers warm and cool air effortlessly through the same concealed duct system.

At Bonaire, we strongly recommend matching only Bonaire gas central heating with Bonaire refrigerated air conditioning and a duct system specifically designed for a dual cycle. The end result is Australia's ultimate dual cycle heating and air conditioning system.

With thermostatic temperature control all year round, you'll enjoy the ultimate in climate control for your family even during sustained periods of hot and humid weather or freezing cold weather.

Outdoor Refrigerated Unit Dual Cycle System

Indoor Refrigerated Unit Dual Cycle Unit

Ultimate features and benefits.
Bonaire Dual Cycle systems* have been designed to deliver efficient and reliable performance all year round. Some of the benefits of installing a Bonaire Dual Cycle system with a Bonaire ducted gas heater are:

- The entire system's operation, programming and zoning selection can be controlled by one controller
- The ultimate in climate control for your family year round, even during sustained periods of hot and humid weather
- Uncompromised constant heating performance regardless of how cold it is outside
- Integrated zoning control† on all 4 and 5 star ducted gas central heating units
- State of the art soft starter controls fitted to all single phase refrigerated outdoor units for optimum operation
- Fully combined heating and cooling comfort via a single ducting system – specifically designed for a Bonaire dual cycle system
- Zone control standard†. Heat or cool only the rooms you want to
- Installed with Bonaire's Bonres® computerised unit selection system**
- Engineered for Australian conditions

Ultimate in peace of mind.
Every Bonaire Dual Cycle System is manufactured to stringent quality standards backed by a five year residential and two year commercial, parts and labour warranty*** and Bonaire's fully trained National Service Division.

It's real peace of mind as you and your family enjoy the Ultimate Heating and Cooling Solution for your home.

Heating

Cooling

* *Bonaire Dual Cycle systems are only recommended for sale and installation with matched Bonaire ducted gas heating units.*

** *Invalid if not sized strictly in accordance with Bonres® specifications. Installation and commissioning to Manufacturer's and Industry Standards and State regulatory law is the responsibility of the installer.*

*** *The Bonaire Dual Cycle warranty does not apply to the ducted gas heating unit. All Bonaire ducted gas heating units carry their own warranty program and conditions. Please refer to your dealer or product information for more details.*

† *Individual Zone motors supplied by installer at additional costs.*

New Homes and Renovations with Bonaire.

Whether you're building a new home or renovating, we recommend you consider the following points to make sure you choose the right cooling system.

Building a new home.
If you're building a new home then it makes sense to ensure you incorporate central heating and cooling planning from the outset so that they are part of your earliest designs and not an after thought. After all, this is your biggest investment and the right ducted heating and cooling system will add value to your investment. It can be easily integrated into the construction of your home and make for simpler and more efficient installation during construction. Here are some points to consider.

- Lifestyle choice of indoor, outdoor living with evaporative cooling
- Environmental option of evaporative cooling
- Running costs are lower with evaporative cooling
- Ultimate Bonaire zoned ducted refrigerated air conditioning
- Bonaire can provide your total heating and cooling solutions from the design stage onwards
- Energy efficient homes should consider an evaporative cooling option
- Ducted gas heating/dual cycle Bonaire systems gives you the ultimate in heating and cooling.

Renovating your home.
Whether you already have an existing evaporative or refrigerated air conditioning system, Bonaire has the range that's ideal for you. However, before you install a new system there are a few points that you should consider.

- You should check if your existing duct work can handle your future needs as it may need to be upgraded.
- Also, check if your current air conditioner is suitable for your existing needs and will it meet your new requirements once the renovation is complete.
- Another consideration is whether you need upgrading from a room air conditioner to Bonaire's whole of home ducted cooling.

All of these can make your new Bonaire air conditioner even more efficient.

Finally, you should consider a Bonaire gas heating option. This means your one controller will cater for both your heating and cooling needs all year round.

Bonaire, the year round choice.

Bonaire lets you enjoy complete heating and cooling comfort all year round at the touch of a button. Illustrating our commitment to innovation, Bonaire ducted evaporative cooling can be combined with Bonaire 3 star, 4 star or 5 star gas ducted central heating using just one thermostat. You have the choice of installing Bonaire heating at the same time as your Bonaire cooling or simply add it at a later date.

Please ask your dealer for a Bonaire Gas Heating Product Brochure

This winter, stay warm as.

Bonaire is a Quality Endorsed Company and all products are Australian owned. In addition, all products made and engineered by Bonaire are backed by Climate Technologies National Service Division, a wholly Australian owned company.

Bonaire B4 20E 4 star external model.

AUSTRALIAN OWNED

Quality System
Quality Endorsed Company
ISO 9001

Specifications.

BONAIRE INVERTER HIGH WALL SPLIT AIR CONDITIONING

Model Number		BH35	BH52	BH70
Model Indoor		BHWSI35	BHWSI52	BHWSI70
Indoor Part Number		6700031	6700041	6700051
Model Outdoor		BHWSO35	BHWSO52	BHWSO70
Outdoor Part Number		6700030	6700040	6700050
Type		Inverter reverse cycle	Inverter reverse cycle	Inverter reverse cycle
Control type		Remote	Remote	Remote
Rated cooling capacity (range)	kW	1.2 - 3.7	1.6 - 6.0	1.98 - 7.50
Rated heating capacity (range)	kW	1.3 - 4.5	1.4 - 6.8	2.1 - 8.5
EER for cooling		3.06	2.97	2.84
Star rating cooling		4.5	4.0	3.5
COP for heating		3.22	3.05	3.02
Star rating for heating		4.0	3.5	3.0
Moisture removal	l/Hr	1	2	2.5
Indoor sound pressure level at 1 MTR (High Speed)	dB(A)	38	42	57
Outdoor sound pressure level at 1 MTR	dB(A)	67	69	72
Electrical Data				
Power supply		220 ~ 240VAC /50/1P	220 ~ 240VAC /50/1P	220 ~ 240VAC /50/1P
Rated Current (Amps)	Cooling	4.7	8.2	10.0
	Heating	5.0	8.7	10.2
Rated input (watts)	Cooling	1060	1750	2460
	Heating	1140	1880	2460
Refrigerant System				
Refrigerant Type		R410A	R410A	R410A
Compressor Type		Rotary	Rotary	Rotary
Evaporator coil		3 bend	3 bend	3 bend
Condensor coil		Double arranged	Double arranged	Double arranged
Fan system				
Indoor air circulation	l/s	142	236	306
Indoor fan motor output	Watts	12	23	55
Outdoor fan motor output	Watts	31	68	95
Connections				
Connecting Pipe - Gas	Inches	1/2"	1/2"	5/8"
Connecting Pipe max length	Metres	15	15	15
Connecting Pipe - Liquid	Inches	1/4"	1/4"	3/8"
Other				
Suitable area	M2	15~23	25~40	30~50
Indoor Dimensions (WxHxD)	mm	770x240x180	898x280x202	1240x325x250
Outdoor dimensions (WxHxD)	mm	760x552x256	820x605x300	902x650x307
Packaging dimensions Indoor (WxHxD)	mm	863x325x256	955x365x298	1317x422x338
Packaging dimensions Outdoor (WxHxD)	mm	863x598x376	955x650x438	1027x705x433
Gross Weight Indoor	Kg	10.5	14	25
Gross weight Outdoor	Kg	37	46	64
Warranty - Domestic		5 year parts and labour	5 year parts and labour	5 year parts and labour
Outdoor Operating Temperature Range*	Cooling	21°C ~ 43°C		
	Heating	-5°C ~ 24°C		

**All units tested to T1 parameters*

BONAIRE EVAPORATIVE AIR CONDITIONING

Model		VSS50	VSS55	VSM60	VSM65	VSL70	VSL75
Height (mm)	Front	683	683	790	790	1047	1047
	Back	573	573	681	681	937	937
Width (mm)		1184	1184	1192	1192	1192	1192
Weight (kg)		61	61	65	65	80	80
Duct work (mm)		550 x 550	550 x 550	550 x 550	550 x 550	800 x 550	800 x 550
Water Conservation System®		Standard	Standard	Standard	Standard	Standard	Standard

Unit sizing.

All evaporative air conditioners vary in performance according to the architectural features of a home and different climatic conditions in Australia. Bonaire recommends using the Bonres® Unit Selection Guide as the only reliable method of determining the cooling capacity of a Bonaire unit in your home.

BONAIRE REVERSE CYCLE DUCTED REFRIGERATIVE AIR CONDITIONING

Model		Indoor Outdoor	B009HD B009RS	B012HD B012RS	B015HD B015RS	B019HD B019RT
Capacity						
Rated capacity	Cooling	kW	8.9	12	14.7	18.7
	Heating	kW	9.3	12.2	15.3	19.3
Power input	Cooling	kW	3.1	4.4	5.3	6.7
	Heating	kW	3.1	4.3	5.3	6.1
Features						
RF Wireless Remote Controller			✓	✓	✓	✓
Soft Starter			✓	✓	✓	
Super Hydrophilic Anti Corrosion Fins			✓	✓	✓	✓
LV Wall Mounted Controller			✓	✓	✓	✓
Reverse Cycle			✓	✓	✓	✓
7-Day Multi-schedule Programming			✓	✓	✓	✓
Soft Heat Mode			✓	✓	✓	✓
Multi-function Defrost Cycles			✓	✓	✓	✓
Auto-Changeover Function			✓	✓	✓	✓
Economy Mode			✓	✓	✓	✓
Zone Control			✓	✓	✓	✓
Auto Restart*			✓	✓	✓	✓
Performance						
Rated Indoor Airflow		L/S	540	750	850	1050
Rated Static Pressure		Pa	140	140	140	160
EER	Cooling	W/W	2.87	2.73	2.77	2.79
COP	Heating	W/W	3.00	2.84	2.89	3.16
Electrical						
Power Supply		Ø/V/Hz	1/240/50	1/240/50	1/240/50	3/415/50
Running Current	Cooling	A	14.4	20.4	25.1	12.8
	Heating	A	14.4	19.9	25.1	12.1
Compressor Type			Scroll	Scroll	Scroll	Scroll
Outdoor Sound Level @ 1m	Pressure	(dB(A)±2)	56	56	58	63
Installation & Dimensions						
Dimensions	Indoor	HxWxD mm	381x946x510	401x1181x510		401x1301x510
	Outdoor	HxWxD mm	960x970x365		1260x970x365	1465x970x365
Weight	Indoor	Kg	39	46	46	53
	Outdoor	Kg	92	97	103	131
Duct Connection	Supply	WxH mm	246x251	721x281		721x295
Flanges	Return	WxH mm	716x292	951x342		1071x342
Refrigerant			R22	R22	R22	R22
Pipe Connection	Liquid	mm	9.53	9.53	9.53	9.53
Sizes**	Gas	mm	19.05	19.05	19.05	19.05
Connection Type			Flare	Flare	Flare	Flare
Max. Pipe Length		M	25	25	25	25
Max. Height Difference		M	15	15	15	15
Precharged Length		M	10	10	10	10
Drain Connection Size		OD Ø mm	25	25	25	25
Outdoor Operating Range		Cooling	15°C ~ 46°C			
		Heating	(-5°C) ~ 24°C			

**The 'Auto Restart' feature is only available with the 'RF Remote Control' system kit. **Depending on length they can change*

Notes:

1. Rated Cooling Capacities are based on an indoor temp 27°C DB / 19°C WB and an outdoor temp 35°C DB and 24°C WB in accordance with AS/NZS3823.1.2, at the rated airflows listed above.
2. Rated Heating Capacities are based on an indoor temp 21°C DB and an outdoor temp 7°C DB/6°C WB in accordance with AS/NZS3823.1.2, at the rated airflows listed above.
3. All capacities are net and include 7.5m of interconnecting pipe, with zero level difference.
4. Outdoor sound pressure measurement is taken inside and anechoic chamber at a distance of 1M directly in front. Sound levels may vary due to different installation locations and environments.
5. Running Current is at rated conditions in accordance with AS/NZS3823.1.2. This does not include start-up or variations in power supply and load conditions.

BONAIRE DUAL CYCLE SYSTEM MATCHING CHART

Bonaire Ducted Gas Heaters	B009RS/DC	B012RS/DC	B015RS/DC	B019RT/DC
B5-35**				✓
B5-30 Extra Air**			✓	✓
B5-30		✓		
B5-21 Extra Air		✓		
B5-21	✓			
B4-30 Extra Air**			✓	✓
B4-30		✓		
B4-20 Extra Air		✓		
B4-20	✓			
B3-30 Extra Air**			✓	✓
B3-30		✓		
B3-20	✓			

***Dual Heater Return Air duct connections are recommended when selecting a B019RT/DC systems.*

Your nearest Bonaire stockist is:-

For further information please phone:

VIC/ACT/NSW/QLD (03) 8795 2424

WA (08) 9454 1010

SA (08) 8307 5300

www.bonaire.com.au

BONAIRE®

The leaders in heating and cooling

www.bonaire.com.au

A CLIMATE TECHNOLOGIES BRAND. ABN 13 001 418 042. 26 Nylex Avenue, Salisbury 5108.

In the interest of continued product improvement, Bonaire reserves the right to alter specifications without notice E & OE. Colours represented are as accurate as the printing process will allow.
For further information on warranty terms and conditions please refer to Bonaire's warranty information booklet. Domestic warranty only. Unit warranty for commercial applications varies depending on model.

BON615 August 2009